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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1655

Applicant: ROBERT J. LIPSHUTZ et al.

Examiner: Bradley L. Sisson

Serial No.: 09/519,148 : March 6, 2000 Filed

INTEGRATED NUCLEIC ACID DIAGNOSTIC DEVICE_{COPY OF PAPERS} Title:

COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231

TRANSMITTAL LETTER

In response to the Office Action of November 6, 2001, Applicants are transmitting herewith the following documents:

- Response to Office Action mailed of November 6, 2001 (including Claim amendments shown)
- Petition for One-Month Extension of Time
- Request for Continuing Examination (RCE)
- Return Receipt Postcard

Please charge the fee of \$994.00 to the Deposit Account No. 01-0431 (RCE fee \$740 + 16 dependent claims fee \$144.00 + extention fee of \$110.00).

Please charge any fees or apply any credits to the Deposit Account No. 01-0431.

Respectfully submitted,

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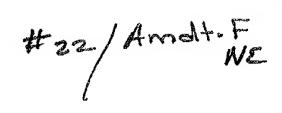
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Attorney Docket 1087(A1-35US3)

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APR 0 3 2002

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AMENDMENT

In response to the Office Action of November 6, 2001, Applicants filed herewith a Request for Continuing Examination (RCE), and amend the present application as follows:

In the Claims:

80. (Three times amended) A method of analyzing a sample in an integrated microfluidic device having at least two chambers in fluid communication, comprising:

supplying the sample into a first chamber of the integrated microfluidic device, wherein the first chamber is selected from the group of chambers adapted to perform a preparative reaction, an analysis reaction, sample acquisition, DNA extraction, amplification, IV transcription or labeling;

performing a first reaction in the first chamber;

moving the sample from the first chamber to the second chamber, wherein the second chamber is selected from the group of chambers adapted to perform a preparative reaction, an analysis reaction including hybridization, sample acquisition, DNA extraction, amplification, IV transcription or labeling;

performing a second reaction in the second chamber, the second reaction being different from the first reaction; [and]

performing confocal microscopy on the hybridized sample <u>by detecting an optical</u> <u>signal from the hybridized sample inside of the chamber</u> using a reader device <u>located</u> <u>outside of the chamber</u>;

